



CITY OF SUGAR LAND

Engineering Department

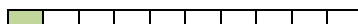
CIP Project Number: SWPE02

Title: Non-Potable Water Opportunities

Project Phase: PER

% of Phase Completion

PER



Cost for this Phase: \$ 75,000

Funding Sources: System Revenues

Project Manager: Shashi Kumar

Contractor: TBD

Consultant: TBD

Project Description: Study to evaluate the most effective means of reducing potable water use in irrigating public highways and rights-of-way. Evaluate the feasibility and siting of phased implementation of non-potable water irrigation infrastructure and irrigation management systems. Potential opportunities include, irrigation of the Highway 6, US59, and US90A corridors in conjunction with the landscape redesign.

Justification: The City's mandated conversion to surface water, starting in 2013, and the desire to conserve and wisely use water resources, form the impetus for this project. Serving irrigation needs with non-potable water creates treatment savings while also garnering early (or over-) conversion credits from the FBSD. Better management of future and existing irrigation of public areas helps reduce peak demands, in turn leading to appreciable cost savings.

Updates: December 2009-

Project scoping to award PER contract is underway. This project scope and schedule is being dictated by other water rights related issues and ongoing projects.